

difference is selected from the group consisting of single nucleotide polymorphism, single nucleotide substitution, single nucleotide deletion, single nucleotide insertion, multiple nucleotide substitution, multiple nucleotide deletion, multiple nucleotide insertion, DNA duplication, DNA inversion, DNA translocation, and DNA deletion/substitution.

94. (Previously Presented) The method of claim 92, wherein the polynucleotide comprises an exon.
95. (Previously Presented) The method of claim 92, wherein the polynucleotide comprises a cDNA.
96. (Previously Presented) The method of claim 92, wherein the polynucleotide comprises at least one predetermined epitope tag.
97. (Previously Presented) The method of claim 92, wherein the expressed polypeptides are expressed in a living cell.
98. (Previously Presented) The method of claim 92, wherein the expressed polypeptides are expressed in a cell free system.
99. (Previously Presented) The method of claim 98, wherein said cell free system is selected from the group consisting of E. coli extract, rabbit reticulocyte extract, and wheat germ extract.
100. (Previously Presented) The method of claim 92, further comprising purification of the polypeptides prior to measuring their masses.
101. (Previously Presented) The method of claim 100, wherein said purification comprises a method selected from the group consisting of gel electrophoresis, capillary electrophoresis, liquid chromatography (LC), capillary liquid